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NOTICE OF ALLOWANCE AND FEE(S) DUE

65913 7590 12/15/2009

NXP, B.V. NXP INTELLECTUAL PROPERTY & LICENSING M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131

EXAMINER				
DINH, TRINH VO				
ART UNIT	PAPER NUMBER			

2821 DATE MAILED: 12/15/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,552	08/13/2007	Achim Hilgers	AT04 0012 US	4826

TITLE OF INVENTION: METHOD OF AND DEVICE FOR DETERMINING AT LEAST ONE CHARACTERISTIC PARAMETER OF A RESONANT STRUCTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/15/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, advance on the nerwise in Block 1, by (a	rders and notification a) specifying a new co	of n orres	naintenance fees w pondence address;	/ill be and/or	mailed to the current (b) indicating a sepa	corresp rate "F	oondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, mave its own certificate of mailing or transmission.					other accompanying
NXP, B.V. NXP INTELLECTUAL PROPERTY & LICENSING M/S41-SJ				I her	Cer	tificate	of Mailing or Transı 5) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the da	nission	1 ited with the United
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									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/591,552 TITLE OF INVENTION STRUCTURE	08/13/2007 N: METHOD OF AND I	DEVICE FOR DETERM	Achim Hilgers INING AT LEAST O	NE (CHARACTERIST		AT04 0012 US RAMETER OF A RES	ONAN	4826 NT
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUI	E FEE	TOTAL FEE(S) DUE		DATE DUE
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EXAM	IINER	ART UNIT	CLASS-SUBCLASS	3	□ □				
DINH, TI	RINH VO	2821	343-703000		'				
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un recordation as set forted.	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	" Indication form	data will appear on the Ta substitute for filing	rnativesingle or a strong attornation of type or type or a strong an a strong a stro	rely, e firm (having as a gent) and the nam- meys or agents. If printed. e) ttent. If an assign- assignment.	memb es of up no nam	er a 2 o to e is 3	ocumen	it has been filed for
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Advance Order -	# of Copies						required fee(s), any det (enclose ar		
5. Change in Entity Sta a. Applicant claim	n tus (from status indicated as SMALL ENTITY statu		☐ b. Applicant is no	o long	ger claiming SMAI	LL ENT	TITY status. See 37 CF	R 1.27	'(g)(2).
		uired) will not be accepte tes Patent and Trademark	* *						
Authorized Signature					Date				
Typed or printed name			Registration No.						
an application Confiden	tiality is governed by 35 d application form to the ions for reducing this bu. Firginia 22313-1450. DC	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	1.14 This collection i	e oct	imated to take 12 r	minutec	to complete includin	a aatha	ring preparing and

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M/S41-SJ 1109 MCKAY DR SAN JOSE, CA 95			2821 DATE MAILED: 12/15/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 428 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 428 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/591,552	HILGERS, ACHIM	
Notice of Allowability	Examiner	Art Unit	
	Trinh Vo Dinh	2821	
	I rinn vo Dinn	2821	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comn (IGHTS. This application is	in this application. If not included nunication will be mailed in due course.	
1. This communication is responsive to <u>08/13/2007</u> .			
2. ☑ The allowed claim(s) is/are <u>1-21</u> .			
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have) or (f).	
2. ☐ Certified copies of the priority documents have		ion No	
 Copies of the certified copies of the priority do 	• • • • • • • • • • • • • • • • • • • •		the
International Bureau (PCT Rule 17.2(a)).		-	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requiremen	nts
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Revie	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	<u>.</u>		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in			!
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Notice of	nformal Patent Application	
Notice of Neterences Cited (FTC-032) Notice of Draftperson's Patent Drawing Review (PTC-948)		Summary (PTO-413),	
 Information Disclosure Statements (PTO/SB/08), 	Paper No	s./Mail Date s Amendment/Comment	
Paper No./Mail Date <u>09/01/2006</u>			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		s Statement of Reasons for Allowance	
(Trimb \/ a Dimb/	9.	·	
/Trinh Vo Dinh/ Primary Examiner, Art Unit 2821			

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Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The following changes have been made to the subject application:

In Specification:

On page 1, line 5 inserted the following paragraph:

-- RELATED APPLICATIONS

This application is a 371 of PCT/IB05/50761 filed 03/02/2005, which claims under 35 U.S.C. 119 to an application 04100889.7 filed 03/05/2004 in the European Office, the contents of which are incorporated herein by reference.--

In claims:

Claim 11 has been amended as follows:

- 11. (Currently Amended) Device (D) for determining at least one characteristic parameter (TR) of a resonant structure, including:
 - a) a first antenna and
 - b) a second antenna, and
- c) a retaining device for retaining the resonant structure at a location, said location being located in the fir far field of the first antenna and in the far field of the second antenna,
- d) a signal generator for generating an HF-signal (OUTS) with varying frequencies, wherein the HF-signal (OUTS) generated by the signal generator is transferable to the first antenna, said first antenna being provided for emitting electromagnetic waves (EEW) with varying frequencies to the resonant structure, said resonant structure takes care for modifying the emitted electromagnetic waves (EEW) and for acheving achieving

modified electromagnetic waves (MEW) and said second antenna being provided for receiving the generated modified electromagnetic waves (MEW), and

- e) a first determining device for determining a first electric power-value representative of the power associated with the emitted electromagnetic waves (EEW) emitted by the first antenna and for generating a first determining result[,]
- f) Fand a second determining device a for determining a second electric powervalue power-value representative of the power associated with the received modified electromagnetic waves (MEW) received by the second antenna and for generating a second determining result, and
- g) processing means for processing the first electric power-value and the second electric power-value and for determining the at least one characteristic parameter (TR) by using the first and second power-values.

The Examiner's amendment has been made to clarify the claimed languages as well as correct typographic errors in order to place the application in a condition for allowance.

Reasons for Allowance

- 1. Claims 1-21 are presently allowed.
- 2. The following is an examiner's statement of reasons for allowance:

The cited art of record fails to teach a method for determining or a device for at least one characteristic parameter (TR) of a resonant structure, including a first antenna, a second antenna, a retaining device for retaining the resonant structure at a location, a signal generator for generating an HF-signal (OUTS) with varying frequencies, a first determining device for determining a first electric power-value representative of the power associated with the emitted electromagnetic waves (EEW) emitted by the first antenna and for generating a first determining

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result, a second determining device a for determining a second power-value representative of the power associated with the received modified electromagnetic waves (MEW) received by the second antenna and for generating a second determining result, and processing means for processing the first electric power-value and the second electric power-value and for determining the at least one characteristic parameter (TR) by using the first and second power-values as defined in claims 1 and 11.

3. Any comments considered necessary by applicant must be submitted no latter than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiry

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trinh Vo Dinh whose telephone number is (571) 272-1821 and email address is trinh.dinh@uspto.gov. The examiner can normally be reached on IFW (Increase Flexible Work). The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens, can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

December 4, 2009

/Trinh Vo Dinh/ Primary Examiner, Art Unit 2821